CLAIMS

1. An amide compound represented by the formula (1):

$$R^{52}$$
 R^{53}
 R^{56}
 R^{56}
 R^{59}
 R^{64}
 R^{64}
 R^{51}
 R^{57}
 R^{58}
 R^{63}
 R^{62}
 R^{61}
 R^{61}

5 wherein, in the formula,

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R⁵¹ represents a halogen atom, a C1-C6 alkyl group, a C3-C6 cycloalkyl group, a C1-C6 haloalkyl group, a C2-C6 alkenyl group, a C2-C6 haloalkenyl group, a C2-C6 alkynyl group, a C2-C6 haloalkynyl group, a C1-C6 alkoxy group, a C3-C6 alkenyloxy group, a C3-C6 alkynyloxy group, a C1-C6 haloalkoxy group, a (C1-C6 alkoxy)C1-C6 alkyl group, a phenoxy C1-C6 alkyl group, a C1-C6 hydroxyalkyl group, a (C1-C6 alkyl) sulfonyloxy C1-C6 alkyl group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C1-C6 alkylamino group, a di (C1-C6alkyl) amino group, a formyl group, a (C1-C6 alkyl) carbonyl group, a (C1-C6 alkoxy) carbonyl group, a (C1-C6 alkoxy) imino C1-C6 alkyl group, benzyloxyimino C1-C6 alkyl group, a di (C1-C6 alkylamino) imino C1-C6 alkyl group, a tri(C1-C6 alkyl) silyl group, a phenyl group, a phenoxy group, a cyano group or a nitro group; R⁵² represents a hydrogen atom, a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C2-C6 alkenyl group, a C2-C6 alkynyl group, a cyano group or a nitro group; or both of R^{51} and R^{52} are combined together to represent a C3-C6 alkylene group or a group of $-CR^{65}=CR^{66}-CR^{67}=CR^{68}-CR^{68}$ (R^{65}, R^{66}, R^{67}) and R^{68} independently represent a hydrogen atom,

- a halogen atom, a C1-C3 alkyl group, a C1-C3 alkoxy group or a C1-C3 haloalkyl group);
- R⁵³ represents a hydrogen atom, a halogen atom, a C1-C3 alkyl group or a C1-C3 haloalkyl group;
- 5 R⁵⁶ represents a hydrogen atom, a C1-C4 alkyl group, a C2-C4 alkenyl group or a C2-C4 alkynyl group;
 - R⁵⁷ represents a hydrogen atom, a C1-C4 alkyl group, a C2-C4 alkenyl group or a C2-C4 alkynyl group;
 - R⁵⁸ and R⁵⁹ independently represent a hydrogen atom, a halogen atom or a C1-C3 alkyl group;
 - R⁶⁰ represents a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C3-C4 alkenyl group or a C3-C6 alkynyl group;
 - R⁶¹ represents a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C3-C4 alkenyl group or a C3-C6 alkynyl group or a C2-C4 cyanoalkyl group;
 - each of R^{62} , R^{63} and R^{64} represents a hydrogen atom, a halogen atom or a C1-C2 alkyl group;
 - X represents an oxygen atom or a sulfur atom.

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2. The amide compound according to claim 1, wherein R⁵¹ is a halogen atom, a C1-C6 alkyl group, a C3-C6 cycloalkyl group, a C1-C6 haloalkyl group, a C2-C6 alkenyl group, a C2-C6 haloalkenyl group, a C2-C6 alkynyl group, a C2-C6 haloalkynyl group, a C1-C6 alkoxy group, a C3-C6 alkenyloxy group, a C3-C6 alkynyloxy group, a C1-C6 haloalkoxy group, a (C1-C6alkoxy) C1-C6 alkyl group, a phenoxy C1-C6 alkyl group, a C1-C6 hydroxyalkyl group, a (C1-C6 alkyl) sulfonyloxy C1-C6 alkyl group, a C1-C6 alkyl group, a C1-C6 haloalkylthio group, a C1-C6 alkylamino group, a di (C1-C6 alkyl) amino group, a formyl group, a (C1-C6 alkyl) carbonyl

- group, a (C1-C6 alkoxy) carbonyl group, a (C1-C6 alkoxy) imino C1-C6 alkyl group, a benzyloxyimino C1-C6 alkyl group, a di (C1-C6 alkylamino) imino C1-C6 alkyl group, tri (C1-C6 alkyl) silyl group, a phenyl group, a phenoxy group, a cyano group or a nitro group;
- 5 R⁵² is a hydrogen atom, a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C2-C6 alkenyl group, a C2-C6 alkynyl group, a cyano group or a nitro group.
 - 3. The amide compound according to claim 1, wherein the group which R^{51} and R^{52} are combined together is a group of $-CR^{65}=CR^{66}-CR^{67}=CR^{68}-$ (R^{65} , R^{66} , R^{67} and R^{68} is independently a hydrogen atom, a halogen atom, a C1-C3 alkyl group, a C1-C3 alkoxy group or a C1-C3 haloalkyl group).

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- 4. The amide compound according to any one of claim 1 to 3, wherein \mathbb{R}^{53} is a hydrogen atom.
- 15 5. The amide compound according to any one of claim 1 to 4, wherein R^{62} , R^{63} and R^{64} are hydrogen atoms.
 - 6. The amide compound according to any one of claim 1 to 5, wherein R^{58} and R^{59} is independently a hydrogen atom, a fluorine atom or a methyl group.
- 7. The amide compound according to any one of claim 1 to 5, wherein R^{58} and R^{59} are hydrogen atoms.
 - 8. The amide compound according to any one of claim 1 to 7, wherein \mathbb{R}^{56} is a hydrogen atom.
- 9. The amide compound according to claim 1, wherein R⁵¹ is a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 alkynyl group, a C1-C4 alkoxy group, a C1-C4 haloalkoxy group, a C1-C4 alkylamino group, a di(C1-C4alkyl) amino group or a cyano group; R⁵² is a hydrogen

atom, a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group or a C2-C4 alkynyl group; or both of R^{51} and R^{52} are combined together to be a C3-C5 alkylene group or a group of -CH=CH-CH=CH-;

- 5 R⁵⁷ is a hydrogen atom or a C1-C3 alkyl group;
 R⁶⁰ is a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C3-C4 alkenyl group or a C3-C4 alkynyl group;
 R⁶¹ is a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C3-C4 alkenyl group or a C3-C4 alkynyl group.
- 10. The amide compound according to claim 9, wherein R⁵¹ is a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 alkynyl group, a C1-C4 alkoxy group, a C1-C4 haloalkoxy group, a C1-C4 alkylamino group, a di (C1-C4 alkyl) amino group or a cyano group; R⁵² is a hydrogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group or a C2-C4 alkynyl group.
 - 11. The amide compound according to claim 9, wherein the group which R^{51} and R^{52} are combined together is a C3-C5 alkylene group or a group of -CH=CH-CH=CH-.
- 20 12. The amide compound according to any one of claim 9 to 11, wherein R^{53} is a hydrogen atom.
 - 13. The amide compound according to any one of claim 9 to 12, wherein ${\bf R}^{62}$, ${\bf R}^{63}$ and ${\bf R}^{64}$ are hydrogen atoms.
- 14. The amide compound according to any one of claim 9 to 13, wherein R^{58} and R^{59} are hydrogen atoms.
 - 15. The amide compound according to any one of claim 9 to 14, wherein \mathbb{R}^{56} is a hydrogen atom.
 - 16. The amide compound according to any one of claim 1 to 15,

wherein R^{57} is a hydrogen atom.

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- 17. The amide compound according to any one of claim 1 to 16, wherein X is an oxygen atom.
- 18. The amide compound according to any one of claim 1 to 16, wherein X is a sulfur atom.
 - 19. The amide compound according to any one of claim 1 to 18, wherein R⁵¹ is a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 alkynyl group, a C1-C4 alkoxy group, a C1-C4 haloalkoxy group or a cyano group; R⁵² is a hydrogen atom, a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group or a C2-C4 alkynyl group; or both of R⁵¹ and R⁵² are combined together to be a C3-C5 alkylene group or a group of -CH=CH-CH=CH-.
- 20. The amide compound according to any one of claim 1 to 18, wherein R^{52} is a hydrogen atom, a halogen atom, a C1-C4 alkyl group or a C1-C4 haloalkyl group.
 - 21. The amide compound according to any one of claim 1 to 20, wherein R^{51} is a halogen atom, a C1-C4 alkyl group or a C1-C4 haloalkyl group.
- 20 22. The amide compound according to any one of claim 1 to 20, wherein R^{52} is a hydrogen atom.
 - 23. The amide compound according to any one of claim 1 to 18, wherein both of R^{51} and R^{52} may be combined together to be a C3-C6 alkylene group or a group of -CH=CH-CH=CH-.
- 25 24. The amide compound according to any one of claim 1 to 23, wherein R^{60} is a C1-C4 alkyl group.
 - 25. The amide compound according to any one of claim 1 to 23, wherein \mathbb{R}^{60} is a C1-C2 alkyl group.

- 26. The amide compound according to any one of claim 1 to 25, wherein \mathbb{R}^{61} is a C3-C4 alkynyl group.
- 27. A plant diseases controlling composition comprising the amide compound according to any one of claim 1 to 26 as an active ingredient.
- 28. A method for controlling plant diseases comprising a step applying an effective amount of the amide compound according to any one of claim 1 to 26 to plants or soils growing the plant.
- 29. A use of the amide compound according to any one of claim 1 to 26 as an active ingredient of a plant disease controlling composition.
 - 30. A compound represented by the formula (3):

wherein, in the formula,

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- R¹⁰⁰ represents a methoxy group, an ethoxy group, a propoxy group, an isopropoxy group, a butyloxy group, an isopropyloxy group, a tert-buthyloxy group, an OH group or a chlorine atom; R¹⁰¹ and R¹⁰² independently represent a hydrogen atom, a halogen atom or a C1-C3 alkyl group; R¹⁰³ represents a C1-C4 alkyl group; R¹⁰⁴ represents a C3-C6 alkynyl group; R¹⁰⁵, R¹⁰⁶ and R¹⁰⁷ independently represent a hydrogen atom, a halogen atom or a C1-C2 alkyl group.

 31. The compound according to claim 30, wherein each of R¹⁰¹ and R¹⁰² is a hydrogen atom, a fluorine atom or a methyl group; R¹⁰⁵, R¹⁰⁶ and R¹⁰⁷ are hydrogen atoms.
- 25 32. The compound according to claim 30, wherein R^{101} , R^{102} , R^{105} ,

 R^{106} and R^{107} are hydrogen atoms.

- 33. The compound according to any one of claim 30 to 32, wherein R^{103} is a methyl group or an ethyl group.
- 34. The compound according to any one of claim 30 to 33, wherein \mathbb{R}^{104} is a 2-propynyl group.
- 35. An amide compound represented by the formula (4):

$$R^{202}$$
 R^{201}
 R^{203}
 R^{204}
 R^{208}
 R^{205}
 R^{201}
 R^{203}
 R^{207}
 R^{206}
 OH
 OH

wherein, in the formula,

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R²⁰¹ represents a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C4 alkoxy group, a C1-C4 haloalkoxy group, a di(C1-C4alkyl)amino group or a cyano group; R²⁰² represents a hydrogen atom, a halogen atom, a C1-C4 alkyl group or a C1-C4 haloalkyl group; or both of R²⁰¹ and R²⁰² are combined together to represent a C3-C5 alkylene group or a group or -CH=CH-CH=CH-; R²⁰³ and R²⁰⁴ independently represent a hydrogen atom, a halogen atom or a C1-C3 alkyl group; R²⁰⁵ represents a C1-C4 alkyl group, R²⁰⁶, R²⁰⁷ and R²⁰⁸ independently represent a hydrogen atom, a halogen atom or a C1-C2 alkyl group.

- 36. The amide compound according to claim 35, wherein each of R^{203} and R^{204} is a hydrogen atom, a fluorine atom or a methyl group; R^{206} , R^{207} and R^{208} are hydrogen atoms.
 - 37. The amide compound according to claim 35, wherein R^{203} , R^{204} , R^{206} , R^{207} and R^{208} are hydrogen atoms.
- 38. The compound according to any one of claim 35 to 37, wherein R^{205} is a methyl group or an ethyl group.